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SRS for Passport Automation

1. Introduction:

1.1 Purpose of the Document: The purpose of this document is to define the requirements for the development of the Passport Automation System (PAS).

1.2 Scope of this document: The PAS aims to automate the entire passport application process, providing updates to applicants and government agencies by reducing manual intervention.

1.3 Overview: The PAS will handle passport application verification, approval, and issuance through an automated system, minimizing delays and errors in the process.

2. General Description:

The PAS will automate the passport application and issuance process, benefiting both applicants and government agencies. Users will be able to track, apply & receive notifications regarding their application status.

3. Functional Requirements:

3.1 User Reg & Login: Applicants can create an account, login and manage their application.

3.2 Application Management: Users can submit application, upload necessary documents and track their status.

3.3 Document Verification: The system will allow officials to verify documents and approve or reject application applications.

3.4 Report Generation: Officials can generate reports on the number of applications, approvals, rejections

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and issuance timelines.

4. Interface Requirements:

4.1 UI: A web-based platform for applicants to apply and track applications and for officials to process them.

4.2 Database Interface: Integration with a backend database to store user data, applications, and document information.

4.3 External Interface: Integration with govt system for identity verification and background checks.

5. Performance Requirements:

5.1 Response Time: The system must process application and update status within 3 seconds.

5.2 User Load: The system should handle up to 10,000 simultaneous users without performance degradation.

5.3 Error rate: The error rate in document processing or verification should be below 0.2%.

6. Design Constraints:

6.1 Platform: The system will be developed as a web-based platform, accessible via modern browsers.

6.2 Database: A secure, scalable SQL-based database will store application and user data.

6.3 Security Controls: Strict security protocols must be followed to protect sensitive applicant data.

7. Non-Functional Attributes:

7.1 Security: High-level encryption for personal user data, secure authentication for users and officials and protection against cyber threats.

7.2 Scalability: The system will be designed to handle increasing number of applications as passport demand

7.3 Reliability: 99.9% system uptime to ensure availability for users.

7.4 Usability: Simple and intuitive interface for applicants.

8. Preliminary Schedule & Budget:

8.1 Development Time: Estimated completion time 6 months.

8.2 Budget: Estimated development cost is 100,000 covering design, development, and testing.

RS - 10,000
DED - 50,000
UEV - 30,000
SE - 10,000

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